

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL						5. MINERAL LEASE NO: ML-47065		6. SURFACE: State	
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>						7. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>						8. UNIT or CA AGREEMENT NAME:			
2. NAME OF OPERATOR: Enduring Resources, LLC						9. WELL NAME and NUMBER: Southam Canyon 10-25-34-32			
3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY Denver STATE CO ZIP 80220					PHONE NUMBER: (303) 350-5114	10. FIELD AND POOL, OR WILDCAT: Undesignated			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2049' FSL - 2139' FEL AT PROPOSED PRODUCING ZONE: 659' FSL - 1978' FEL S.W. 1/4						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 32 10S 25E			
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 11 miles Southwest of Bonanza, UT						12. COUNTY: Uintah		13. STATE: UTAH	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 659'			16. NUMBER OF ACRES IN LEASE: 640			17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres			
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1000' +			19. PROPOSED DEPTH: 4,990			20. BOND DESCRIPTION: RLB0008031			
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5875' RT-KB			22. APPROXIMATE DATE WORK WILL START: 10/1/2006			23. ESTIMATED DURATION: 20 days			

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
20"	14" line pipe	40	3 yards	Ready Mix		
11"	8-5/8" J-55 24#	1,716	Premium Lead	110 sxs	3.50	11.1
			Premium Tail	183 sxs	1.15	15.8
7-7/8"	4-1/2" N-80 11.6#	4,990	Class G	33 sxs	3.3	11.0
			50/50 Poz Class G	587 sxs	1.56	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/>	WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/>	COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/>	EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/>	FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist

SIGNATURE *Al Arlian* DATE 7/19/2006

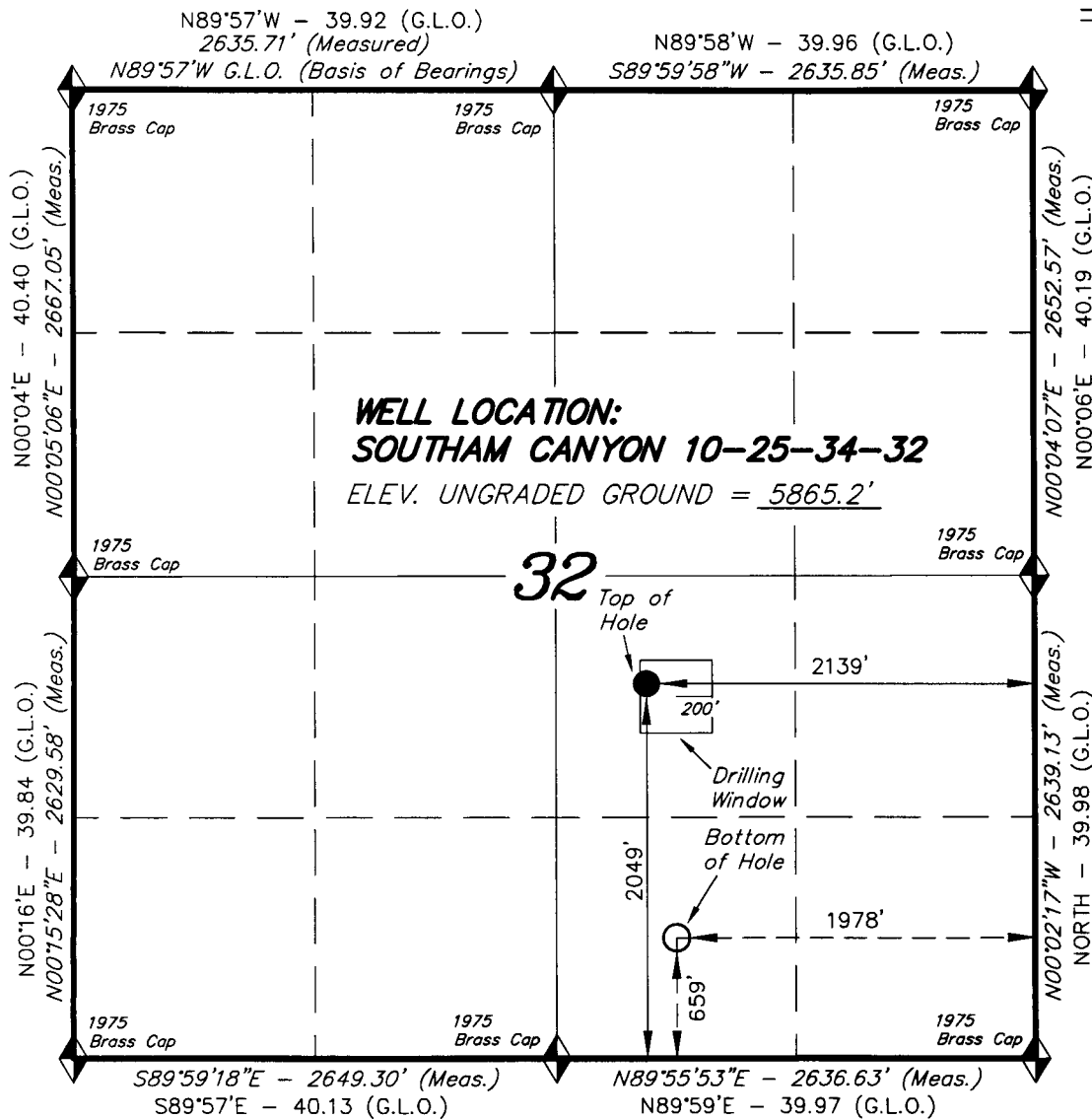
(This space for State use only)

API NUMBER ASSIGNED: 43-047-38401

APPROVAL:

JUL 26 2006

T10S, R25E, S.L.B.&M.



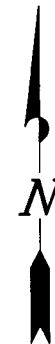
◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min
 QUAD (WEAVER RIDGE)

SOUTHAM CANYON 10-25-34-32
(Surface Location) NAD 83
 LATITUDE = 39° 54' 13.71"
 LONGITUDE = 109° 07' 23.44"

ENDURING RESOURCES

WELL LOCATION, TOP OF HOLE FOR THE
 SOUTHAM CANYON 10-25-34-32, THE
 TOP OF HOLE LOCATED AS SHOWN IN
 THE NW 1/4 SE 1/4, THE BOTTOM HOLE
 LOCATED AS SHOWN IN THE SW 1/4 SE
 1/4 OF SECTION 32, T10S, R25E,
 S.L.B.&M. UTAH COUNTY, UTAH.



NOTES:

1. The Bottom of hole bears S06°39'51"E
 1399.11' from the Top of Hole.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
 MADE BY ME OR UNDER MY SUPERVISION AND THAT
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF
 MY KNOWLEDGE AND BELIEF. No.189377

STACY W. STEWART
 REGISTERED LAND SURVEYOR
 REGISTRATION No. 189377
 STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE DRAWN: 10-26-05	SURVEYED BY: J.H.	SHEET 2a OF 10
REVISED:	DRAWN BY: F.T.M.	
NOTES:	SCALE: 1" = 1000'	



Enduring Resources

475 17th Street Suite 1500 Denver Colorado 80202
Telephone 303 573-1222 Fax 303 573 0461

July 20, 2006

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attn.: Ms. Diana Whitney

RE: Enduring Resources, LLC
Southam Canyon 10-25-34-32
SW-SE 32-10S-25E (Bottom Hole Location)
NW-SE 32-10S-25E (Surface Location)
State Lease: ML-47065
Uintah County, Utah

Dear Ms. Whitney:

Enclosed are two original applications to drill concerning the above-referenced proposed well. This information was also submitted to SITLA.

Enduring Resources, LLC is requesting the Utah Division of Oil, Gas and Mining to hold this application and all future information as confidential.

If any questions arise or additional information is required, please contact me at 303-350-5114.

Very truly yours,

ENDURING RESOURCES, LLC

Alvin R. (Al) Arlian
Landman-Regulatory Specialist

ara
Enclosures:

cc: SITLA w/ attachments

RECEIVED

JUL 26 2006

UTAH DIVISION OF OIL, GAS AND MINING

**Enduring Resources, LLC
Soutam Canyon 10-25-34-32
SW-SE 32-10S-25E (Bottom hole Location)
NW-SE 32-10S-25E (Surface Location)
Uintah County, Utah
State Lease: ML-47065**

ONSHORE ORDER 1 - DRILLING PLAN

1. Estimated Tops of Geological Markers:

Formation	Depth (K.B.)
Uinta	Surface
Green River	90
Wasatch	2175
Mesaverde	3066

2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Substance	Formation	Depth (K.B.)
	KB-Uinta Elevation:5875'	
Oil / Gas	Green River	90
Oil /Gas	Wasatch	2175
Oil /Gas	Mesaverde	3066
	Estimated TD	4990

An 11" hole will be drilled to approximately 1,716 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

3. Pressure Control Equipment: (3000 psi schematic attached)

- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.
- D. Testing Procedure: Annular Preventer

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

4. Proposed Casing & Cementing Program:

A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 1,716' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 4990' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

B. Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			
2016' (KB)	8-5/8", 24#/ft, J55, STC	1370/1.52(a)	2950/3.28(b)	244/5.81(c)
4990' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/2.45(d)	7780/3.26 (e)	223/4.48(f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

PROPOSED CEMENTING PROGRAM

Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaCl ₂ + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft³/sx) cement will be premium cement w/ 3% CaCl₂.+0.25 pps celloflake. Volume as required

Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl ₂ + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl ₂ + 0.25 pps celloflake	As Req.		15.8	1.15

Production Casing and Liner - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
4-1/2"	Lead	359	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	33	25	11.0	3.3
4-1/2"	Tail	3215	50/50 POZ Class G + 2% gel + 1% CaCl ₂ + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	587	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. Drilling Fluids (mud) Program:

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' – 1716' (KB)		No cntrl		Air/mist
1716'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-4990' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

6. Evaluation Program:

Tests: No tests are currently planned.

Coring: No cores are currently planned.

Samples: No sampling is currently planned.

Logging

- Dual Induction – SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML
TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:
TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 2,595 psi (calculated at 0.52psi/foot of hole) and maximum anticipated surface pressure equals approximately 1,497 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

8. Anticipated Starting Dates:

- Anticipated Commencement Date- Within one year of APD issue.
- Drilling Days- Approximately 10 days
- Completion Days - Approximately 10 days
- Anticipate location construction within 30 days of permit issue.

9. Variances:

None anticipated

10. Other:

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

Single Shot directional surveys will be dropped every 2000 feet to monitor hole angle.

**Directions to the Well Pad for:
Southam Canyon 10-25-33-32
Southam Canyon 10-25-34-32**

Pad Location: NWSE of Sec. 32, T10S, R25E, S.L.B.&M.

Beginning at the city of Bonanza, Utah. Leave the city of Bonanza heading south on U.S. Highway 45, which becomes a paved road, for a distance of approximately 3.7 miles where the road turns left at a gaging station. Do not turn left. Continue southeasterly on the same road for a distance of 5.9 miles, where there is a fork in the road. Turn left, and proceed for a distance of approximately 1.2 miles. Turn right and bear westerly approximately 0.2 miles to the beginning of the proposed access. Thence proceed southwesterly for approximately 4,480 feet (0.8 miles) along the proposed access to the proposed well pad.

Enduring Resources, LLC

Southam Canyon 10-25-34-32

SW-SE 32-10S-25E (Bottom Hole Location)

NW-SE 32-10S-25E (Surface Location)

Uintah County, Utah

State Lease: ML-47065

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Directions to the Southam Canyon 10-25-34-32 Well Pad

Beginning at the city of Bonanza, Utah. Leave the city of Bonanza heading south on U.S. Highway 45, which becomes a paved road, for a distance of approximately 3.7 miles where the road turns left at a gauging station. Do not turn left. Continue southeasterly on the same road for a distance of 5.9 miles, where there is a fork in the road. Turn left, and proceed for a distance of approximately 1.2 miles. Turn right and bear westerly approximately 0.2 miles to the beginning of the proposed access. Thence proceed southwesterly for approximately 4,480 feet (0.8 miles) along the proposed access to the proposed well pad.

2. Planned Access Roads:

The proposed access road will be approximately 4,495 feet of new construction on-lease and 290 feet off-lease.

ALL NEW CONSTRUCTION IS ON SITLA AND BLM LANDS.

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original

construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):

The following wells are wells located within a one (1) mile or greater radius of the proposed location.

- | | | |
|----|-------|--|
| a. | None: | Water Wells: |
| b. | None: | Injection Wells: |
| c. | None: | Producing Wells: |
| d. | (1): | Drilling Wells: |
| | | 1. Southam Canyon 10-25-21-32 |
| e. | None: | Shut-in Wells: |
| f. | None: | Temporarily Abandoned Wells: |
| g. | None: | Disposal Wells: |
| h. | None: | Abandoned Wells: |
| i. | None: | Dry Holes: |
| j. | None: | Observation Wells: |
| k. | (9): | Pending (staked) Wells: |
| | | i. Enduring has nine other wells staked in this section. |

4. Location of Existing and/or Proposed Facilities:

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be designated by DOG&M and SITLA. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline for this well will be:

1,910'	Surface Pipeline	On-Lease	SITLA
-0-	Surface Pipeline	Off-Lease	n/a

If this well is capable of economic production, a 4" (or less) steel surface gas gathering line and related equipment shall be installed. The surface gas gathering line shall be in use year round. A total of approximately less than 1,910 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

The proposed pipeline will begin at the well site; and be laid on the surface next to the new access road to tie-in to a steel surface pipeline that is located next to the county road.

The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

5. Location and Type of Water Supply:

Water will be purchased from American Gilsonite from the following source. Water Right No. 49-222, Application/Claim No. A29909/a4958, Certificate No. 9915 ("AGC Water Right"). The AGC Water Right consists of nineteen underground water wells located in Sec.2, T10S, R24E, SLBM, piped to and stored in a cistern located in Section 25, T9S, R24E.

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

6 Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, brake or allow discharge of liquids.

The reserve pit will be lined with ¼ felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash well is burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

8. Ancillary Facilities:

During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

9. Well Site Layout: (Refer to Sheets #2, #3, and #4)

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

10. Plans for Surface Reclamation:**Producing Location:**

- a. Immediately upon well completion **of the last well to be drilled on this pad**, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Immediately upon well completion any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit that portion of the location not needed for production **(and drilling the other directional wells)** facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

Seed Mixture for Windrowed Top Soil Will Included:

To be provided by the DOG&M and/or SITLA.

11. Surface Ownership: Location, Access and Pipeline Route:

Wellsite: SITLA

Access: SITLA, BLM

Pipeline: SITLA

12. Other Information**On-site Inspection for Location, Access and Pipeline Route:**

The on-site will be scheduled by SITLA and DOG&M.

Special Conditions of Approval:

- Tanks and Production Equipment shall be painted Dark Olive Black.
- Surface Gathering Pipeline shall be 4" or less

Archeology:

- a. A Cultural Resource Inventory Report is pending and to be prepared by Montgomery Archaeological Consultants.

Paleontology:

- a. A Paleontology Reconnaissance Report is pending and to be prepared by Intermountain Paleo-Consulting.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

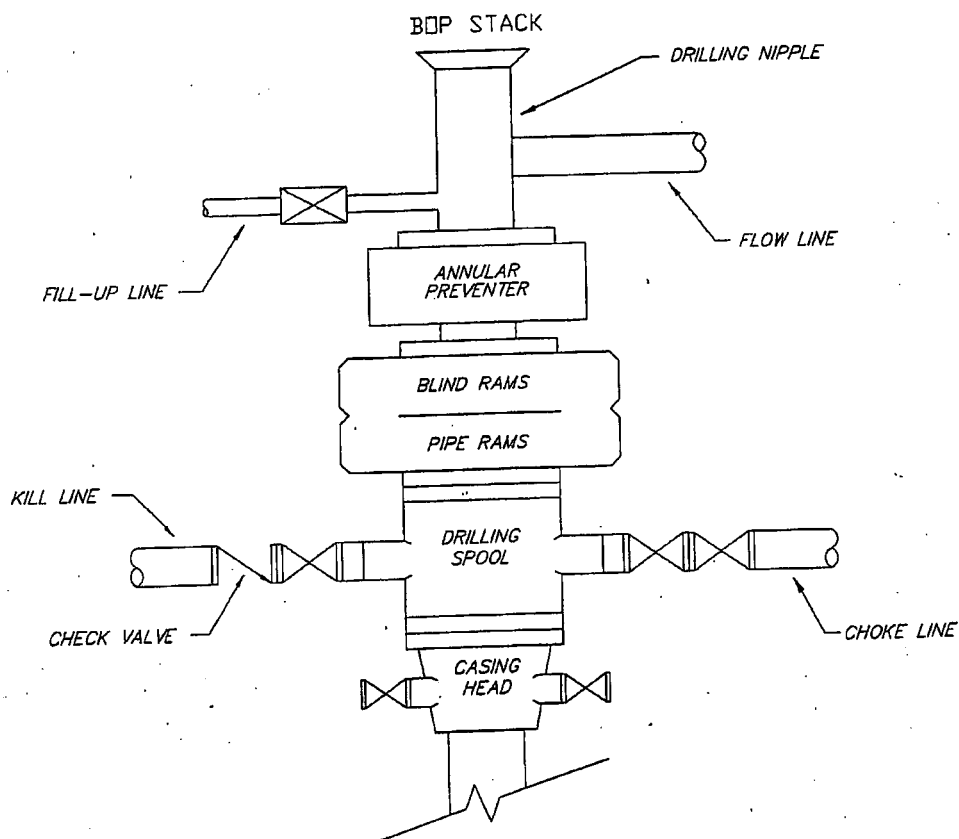
13. Lessee's or Operator's Representatives:**Representatives:**

Alvin R. (Al) Arlian
Landman – Regulatory Specialist
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-350-5114
Fax Tel: 303-573-0461
aarlian@enduringresources.com

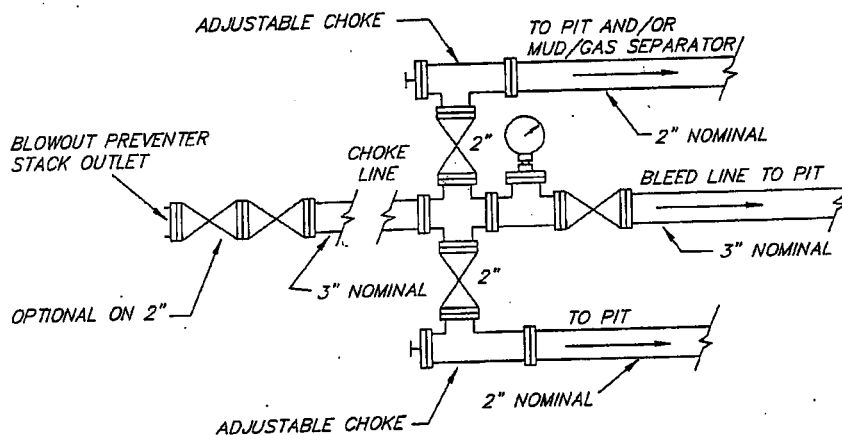
Teme Singleton
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ENDURING RESOURCES, LLC

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 p.s.i. CHOKE MANIFOLD SCHEMATIC





ENDURING RESOURCES
Southam Canyon 10-25-34-32
SW/SW Sec. 32, T10S, R25E
Uintah County, Utah



Weatherford

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	Start Nudge
3	900.00	15.00	173.34	894.31	-64.64	7.55	3.00	173.34	65.08	End Nudge
4	1600.00	15.00	173.34	1570.46	-244.59	28.56	0.00	0.00	246.25	Start Build
5	2453.43	57.67	173.34	2242.17	-735.32	85.86	5.00	0.00	740.32	End Build
6	2602.16	57.67	173.34	2321.70	-860.15	100.44	0.00	0.00	866.00	Start Drop
7	3755.60	0.00	173.34	3290.00	-1389.67	162.27	5.00	180.00	1399.11	End Drop
8	5455.60	0.00	173.34	4990.00	-1389.67	162.27	0.00	173.34	1399.11	TD

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Southam Canyon 10-25-34-32	0.00	0.00	7142558.98	2307106.93	39°54'13.710N	109°07'23.440W	N/A

FIELD DETAILS

Uintah, Utah
Utah Central Zone
U.S.A.

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

NW/SE 32-10S-25E
Sec. 32, T10S, R25E, Uintah County, Utah
2049 FSL & 2139 FEL

Site Centre Latitude: 39°54'13.710N
Longitude: 109°07'23.440W

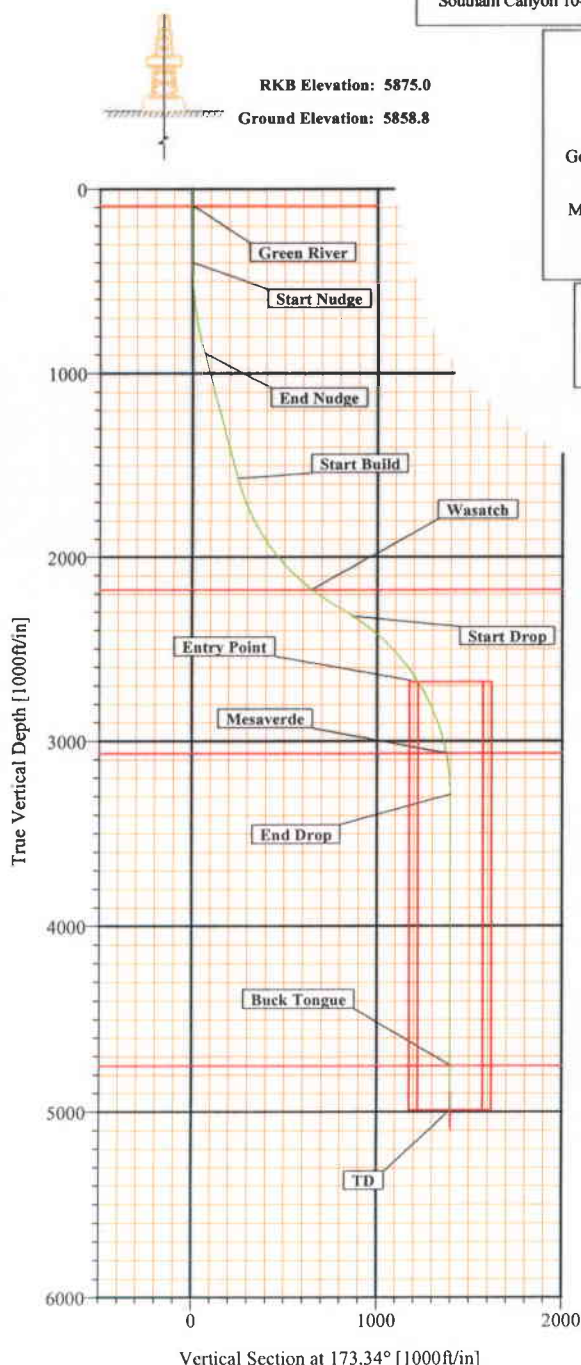
Ground Level: 5858.80
Positional Uncertainty: 0.00
Convergence: 1.52

TARGET DETAILS

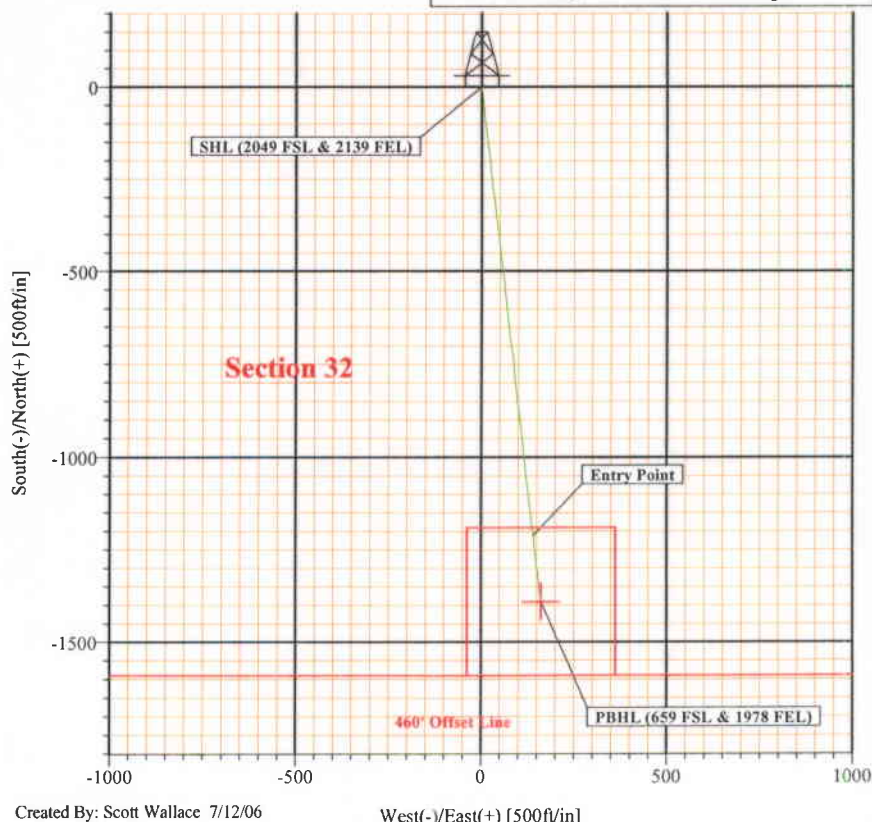
Name	TVD	+N/-S	+E/-W	Shape
10-25-34-32 Target	4990.00	-1389.67	162.27	Rectangle (400x400)

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	90.00	90.00	Green River
2	2175.00	2336.98	Wasatch
3	3066.00	3530.15	Mesaverde
4	4750.00	5215.60	Buck Tongue



Vertical Section at 173.34° [1000ft/in]



Created By: Scott Wallace 7/12/06

West (-)/East (+) [500ft/in]

Weatherford International

Planning Report

Company: Enduring Resources	Date: 7/12/2006	Time: 08:58:33	Page: 1
Field: Uintah, Utah	Co-ordinate(N/E) Reference: Well Southam Canyon 10-25-34-32		
Site: NW/SE 32-10S-25E	Vertical (TVD) Reference: SITE 5875.0		
Well: Southam Canyon 10-25-34-32	Section (VS) Reference: Well 10.00N 0.00 173.34 Az		
Wellpath: 1	Plan:	Plan #1	

Field: Uintah, Utah
Utah Central Zone
U.S.A.

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: Utah, Central Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2005

Site: NW/SE 32-10S-25E
Sec. 32, T10S, R25E, Uintah County, Utah
2049 FSL & 2139 FEL

Site Position:	Northings:	7142558.98 ft	Latitude:	39 54 13.710 N
From: Geographic	Easting:	2307106.93 ft	Longitude:	109 7 23.440 W
Position Uncertainty:	0.00 ft		North Reference:	True
Ground Level:	5858.80 ft		Grid Convergence:	1.52 deg

Well: Southam Canyon 10-25-34-32

Slot Name:

Well Position:	+N/-S	0.00 ft	Northings:	7142558.98 ft	Latitude:	39 54 13.710 N
	+E/-W	0.00 ft	Easting:	2307106.93 ft	Longitude:	109 7 23.440 W
Position Uncertainty:	0.00 ft					

Wellpath: 1

Current Datum:	SITE	Height	5875.00 ft	Drilled From:	Surface
Magnetic Data:	7/11/2006			Tie-on Depth:	0.00 ft
Field Strength:	52878 nT			Above System Datum:	Mean Sea Level
Vertical Section:	Depth From (TVD)			Declination:	11.53 deg
	ft	+N/-S	ft	Mag Dip Angle:	65.99 deg
		ft		+E/-W	Direction
				ft	deg
	0.00	0.00		0.00	173.34

Plan: Plan #1

Date Composed: 7/11/2006
Version: 1
Tied-to: From Surface

Principal: Yes

Plan Section Information

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Buld deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	15.00	173.34	894.31	-64.64	7.55	3.00	3.00	0.00	173.34	
1600.00	15.00	173.34	1570.46	-244.59	28.56	0.00	0.00	0.00	0.00	
2453.43	57.67	173.34	2242.17	-735.32	85.86	5.00	5.00	0.00	0.00	
2602.16	57.67	173.34	2321.70	-860.15	100.44	0.00	0.00	0.00	0.00	
3755.60	0.00	173.34	3290.00	-1389.67	162.27	5.00	-5.00	0.00	180.00	
5455.60	0.00	173.34	4990.00	-1389.67	162.27	0.00	0.00	0.00	173.34	10-25-34-32 Target

Section 1 : Start Hold

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Buld deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2 : Start Build 3.00

MD ft	Incl deg	Azlm deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Buld deg/100ft	Turn deg/100ft	TFO deg
500.00	3.00	173.34	499.95	-2.60	0.30	2.62	3.00	3.00	0.00	0.00
600.00	6.00	173.34	599.63	-10.39	1.21	10.46	3.00	3.00	0.00	0.00
700.00	9.00	173.34	698.77	-23.35	2.73	23.51	3.00	3.00	0.00	0.00
800.00	12.00	173.34	797.08	-41.45	4.84	41.74	3.00	3.00	0.00	0.00
900.00	15.00	173.34	894.31	-64.64	7.55	65.08	3.00	3.00	0.00	0.00

Weatherford International

Planning Report

Company:	Enduring Resources	Date:	7/12/2008	Time:	08:58:32	Page:	2
Field:	Utah, Utah	Co-ordinate(N/E) Reference:	Well: Southern Canyon 10-25-34-32				
Site:	NW/SE 32-10S-25E	Vertical (TVD) Reference:	SUR: 5875.0				
Well:	Southern Canyon 10-25-34-32	Section (VS) Reference:	Well (0.00N 0.00E 173.34Az)				
Wellpath:		Plan:	Plan #1				

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1000.00	15.00	173.34	990.90	-90.34	10.55	90.96	0.00	0.00	0.00	0.00
1100.00	15.00	173.34	1087.49	-116.05	13.55	116.84	0.00	0.00	0.00	0.00
1200.00	15.00	173.34	1184.09	-141.76	16.55	142.72	0.00	0.00	0.00	0.00
1300.00	15.00	173.34	1280.68	-167.47	19.55	168.60	0.00	0.00	0.00	0.00
1400.00	15.00	173.34	1377.27	-193.17	22.56	194.49	0.00	0.00	0.00	0.00
1500.00	15.00	173.34	1473.86	-218.88	25.56	220.37	0.00	0.00	0.00	0.00
1600.00	15.00	173.34	1570.46	-244.59	28.56	246.25	0.00	0.00	0.00	0.00

Section 4 : Start Build 5.00

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1700.00	20.00	173.34	1665.80	-274.45	32.05	276.31	5.00	5.00	0.00	0.00
1800.00	25.00	173.34	1758.16	-312.44	36.48	314.57	5.00	5.00	0.00	0.00
1900.00	30.00	173.34	1846.83	-358.29	41.84	360.73	5.00	5.00	0.00	0.00
2000.00	35.00	173.34	1931.14	-411.64	48.07	414.44	5.00	5.00	0.00	0.00
2100.00	40.00	173.34	2010.45	-472.09	55.12	475.30	5.00	5.00	0.00	0.00
2200.00	45.00	173.34	2084.16	-539.17	62.96	542.83	5.00	5.00	0.00	0.00
2300.00	50.00	173.34	2151.69	-612.38	71.50	616.54	5.00	5.00	0.00	0.00
2336.98	51.85	173.34	2175.00	-640.89	74.83	645.24	5.00	5.00	0.00	0.00
2400.00	55.00	173.34	2212.55	-691.15	80.70	695.85	5.00	5.00	0.00	0.00
2453.43	57.67	173.34	2242.17	-735.32	85.86	740.32	5.00	5.00	0.00	0.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2500.00	57.67	173.34	2267.07	-774.41	90.42	779.67	0.00	0.00	0.00	0.00
2600.00	57.67	173.34	2320.55	-858.34	100.22	864.17	0.00	0.00	0.00	0.00
2602.16	57.67	173.34	2321.70	-860.15	100.44	866.00	0.00	0.00	0.00	0.00

Section 6 : Start Drop -5.00

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2700.00	52.78	173.34	2377.49	-939.95	109.75	946.33	5.00	-5.00	0.00	180.00
2800.00	47.78	173.34	2441.37	-1016.32	118.67	1023.23	5.00	-5.00	0.00	180.00
2900.00	42.78	173.34	2511.71	-1086.88	126.91	1094.26	5.00	-5.00	0.00	180.00
3000.00	37.78	173.34	2587.98	-1151.07	134.41	1158.89	5.00	-5.00	0.00	180.00
3100.00	32.78	173.34	2669.59	-1208.42	141.10	1216.63	5.00	-5.00	0.00	180.00
3106.43	32.46	173.34	2675.00	-1211.86	141.50	1220.10	5.00	-5.00	0.00	180.00
3200.00	27.78	173.34	2755.92	-1258.49	146.95	1267.04	5.00	-5.00	0.00	-180.00
3300.00	22.78	173.34	2846.31	-1300.89	151.90	1309.73	5.00	-5.00	0.00	180.00
3400.00	17.78	173.34	2940.08	-1335.31	155.92	1344.38	5.00	-5.00	0.00	180.00
3500.00	12.78	173.34	3036.52	-1361.47	158.97	1370.72	5.00	-5.00	0.00	180.00
3530.15	11.27	173.34	3066.00	-1367.71	159.70	1377.00	5.00	-5.00	0.00	180.00
3600.00	7.78	173.34	3134.88	-1379.19	161.04	1388.56	5.00	-5.00	0.00	180.00
3700.00	2.78	173.34	3234.42	-1388.33	162.11	1397.76	5.00	-5.00	0.00	180.00
3755.60	0.00	173.34	3290.00	-1389.67	162.27	1399.11	5.00	-5.00	0.00	-180.00

Section 7 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
3800.00	0.00	173.34	3334.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
3900.00	0.00	173.34	3434.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
4000.00	0.00	173.34	3534.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
4100.00	0.00	173.34	3634.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
4200.00	0.00	173.34	3734.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
4300.00	0.00	173.34	3834.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
4400.00	0.00	173.34	3934.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
4500.00	0.00	173.34	4034.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
4600.00	0.00	173.34	4134.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
4700.00	0.00	173.34	4234.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34

Weatherford International

Planning Report

Company: Enduring Resources	Date: 7/2/2006	Time: 08:58:32	Page: 3
Field: Uintah, Utah	Co-ordinate(N): Reference Well: Southam Canyon 10-25-34-32		
Site: NW/SE 32-10S-25E	Vertical (TVD) Reference: SITE 5875.0		
Well: Southam Canyon 10-25-34-32	Section (VS) Reference: Well (0.00N,0.00E, 173.34Az)		
Wellpath: 1	Plan:	Plan #1	

Section 7 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
4800.00	0.00	173.34	4334.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
4900.00	0.00	173.34	4434.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
5000.00	0.00	173.34	4534.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
5100.00	0.00	173.34	4634.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
5200.00	0.00	173.34	4734.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
5215.60	0.00	173.34	4750.00	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
5300.00	0.00	173.34	4834.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
5400.00	0.00	173.34	4934.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34
5455.60	0.00	173.34	4990.00	-1389.67	162.27	1399.11	0.00	0.00	0.00	173.34

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Nudge
500.00	3.00	173.34	499.95	-2.60	0.30	2.62	3.00	3.00	0.00	MWD
600.00	6.00	173.34	599.63	-10.39	1.21	10.46	3.00	3.00	0.00	MWD
700.00	9.00	173.34	698.77	-23.35	2.73	23.51	3.00	3.00	0.00	MWD
800.00	12.00	173.34	797.08	-41.45	4.84	41.74	3.00	3.00	0.00	MWD
900.00	15.00	173.34	894.31	-64.64	7.55	65.08	3.00	3.00	0.00	End Nudge
1000.00	15.00	173.34	990.90	-90.34	10.55	90.96	0.00	0.00	0.00	MWD
1100.00	15.00	173.34	1087.49	-116.05	13.55	116.84	0.00	0.00	0.00	MWD
1200.00	15.00	173.34	1184.09	-141.76	16.55	142.72	0.00	0.00	0.00	MWD
1300.00	15.00	173.34	1280.68	-167.47	19.55	168.60	0.00	0.00	0.00	MWD
1400.00	15.00	173.34	1377.27	-193.17	22.56	194.49	0.00	0.00	0.00	MWD
1500.00	15.00	173.34	1473.86	-218.88	25.56	220.37	0.00	0.00	0.00	MWD
1600.00	15.00	173.34	1570.46	-244.59	28.56	246.25	0.00	0.00	0.00	Start Build
1700.00	20.00	173.34	1665.80	-274.45	32.05	276.31	5.00	5.00	0.00	MWD
1800.00	25.00	173.34	1758.16	-312.44	36.48	314.57	5.00	5.00	0.00	MWD
1900.00	30.00	173.34	1846.83	-358.29	41.84	360.73	5.00	5.00	0.00	MWD
2000.00	35.00	173.34	1931.14	-411.64	48.07	414.44	5.00	5.00	0.00	MWD
2100.00	40.00	173.34	2010.45	-472.09	55.12	475.30	5.00	5.00	0.00	MWD
2200.00	45.00	173.34	2084.16	-539.17	62.96	542.83	5.00	5.00	0.00	MWD
2300.00	50.00	173.34	2151.69	-612.38	71.50	616.54	5.00	5.00	0.00	MWD
2336.98	51.85	173.34	2175.00	-640.89	74.83	645.24	5.00	5.00	0.00	Wasatch
2400.00	55.00	173.34	2212.55	-691.15	80.70	695.85	5.00	5.00	0.00	MWD
2453.43	57.67	173.34	2242.17	-735.32	85.86	740.32	5.00	5.00	0.00	End Build
2500.00	57.67	173.34	2267.07	-774.41	90.42	779.67	0.00	0.00	0.00	MWD
2600.00	57.67	173.34	2320.55	-858.34	100.22	864.17	0.00	0.00	0.00	MWD
2602.16	57.67	173.34	2321.70	-860.15	100.44	866.00	0.00	0.00	0.00	Start Drop
2700.00	52.78	173.34	2377.49	-939.95	109.75	946.33	5.00	-5.00	0.00	MWD
2800.00	47.78	173.34	2441.37	-1016.32	118.67	1023.23	5.00	-5.00	0.00	MWD
2900.00	42.78	173.34	2511.71	-1086.88	126.91	1094.26	5.00	-5.00	0.00	MWD
3000.00	37.78	173.34	2587.98	-1151.07	134.41	1158.89	5.00	-5.00	0.00	MWD
3100.00	32.78	173.34	2669.59	-1208.42	141.10	1216.63	5.00	-5.00	0.00	MWD
3106.43	32.46	173.34	2675.00	-1211.86	141.50	1220.10	5.00	-5.00	0.00	Entry Point
3200.00	27.78	173.34	2755.92	-1258.49	146.95	1267.04	5.00	-5.00	0.00	MWD
3300.00	22.78	173.34	2846.31	-1300.89	151.90	1309.73	5.00	-5.00	0.00	MWD
3400.00	17.78	173.34	2940.08	-1335.31	155.92	1344.38	5.00	-5.00	0.00	MWD
3500.00	12.78	173.34	3036.52	-1361.47	158.97	1370.72	5.00	-5.00	0.00	MWD
3530.15	11.27	173.34	3066.00	-1367.71	159.70	1377.00	5.00	-5.00	0.00	Mesaverde
3600.00	7.78	173.34	3134.88	-1379.19	161.04	1388.56	5.00	-5.00	0.00	MWD
3700.00	2.78	173.34	3234.42	-1388.33	162.11	1397.76	5.00	-5.00	0.00	MWD
3755.60	0.00	173.34	3290.00	-1389.67	162.27	1399.11	5.00	-5.00	0.00	End Drop
3800.00	0.00	173.34	3334.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
3900.00	0.00	173.34	3434.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD

Weatherford International

Planning Report

Company:	Enduring Resources	Date:	7/12/2006	Time:	08:58:32	Page:	4
Field:	Utah, Utah	Co-ordinate(N/S) Reference:	Well: Southern Canyon 10-25-34-32				
Site:	NW/SE 32-10S-25E	Vertical (TVD) Reference:	Site 5875.0				
Well:	Southern Canyon 10-25-34-32	Section (VS) Reference:	Well (0.00N,0.00E,173.34Azi)				
Wellpath:	1	Plan:	Plan #1				

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
4000.00	0.00	173.34	3534.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
4100.00	0.00	173.34	3634.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
4200.00	0.00	173.34	3734.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
4300.00	0.00	173.34	3834.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
4400.00	0.00	173.34	3934.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
4500.00	0.00	173.34	4034.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
4600.00	0.00	173.34	4134.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
4700.00	0.00	173.34	4234.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
4800.00	0.00	173.34	4334.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
4900.00	0.00	173.34	4434.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
5000.00	0.00	173.34	4534.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
5100.00	0.00	173.34	4634.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
5200.00	0.00	173.34	4734.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
5215.60	0.00	173.34	4750.00	-1389.67	162.27	1399.11	0.00	0.00	0.00	Buck Tongue
5300.00	0.00	173.34	4834.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
5400.00	0.00	173.34	4934.40	-1389.67	162.27	1399.11	0.00	0.00	0.00	MWD
5455.60	0.00	173.34	4990.00	-1389.67	162.27	1399.11	0.00	0.00	0.00	10-25-34-32 Target

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec	Longitude Deg Min Sec
10-25-34-32 Target		4990.00	-1389.67	162.27	7141174.11	2307306.06	39 53 59.975 N	109 7 21.358 W
-Rectangle (400x400)								
-Plan hit target								

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
90.00	90.00	Green River		0.00	0.00
2336.98	2175.00	Wasatch		0.00	0.00
3530.15	3066.00	Mesaverde		0.00	0.00
5215.60	4750.00	Buck Tongue		0.00	0.00

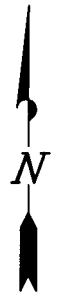
Annotation

MD ft	TVD ft	
400.00	400.00	SHL (2049 FSL & 2139 FEL)
900.00	894.31	Start Nudge
1600.00	1570.46	End Nudge
2453.43	2242.17	Start Build
2602.16	2321.70	End Build
3106.43	2675.00	Start Drop
3755.60	3290.00	Entry Point
5455.60	4990.00	End Drop
5455.60	4990.00	TD
5455.60	4990.00	PBHL (659 FSL & 1978 FEL)

ENDURING RESOURCES

WELL PAD INTERFERENCE PLAT
SOUTHAM CANYON 10-25-33-32

SOUTHAM CANYON 10-25-34-32
Section 32, T10S, R25E, S.L.B.&M.

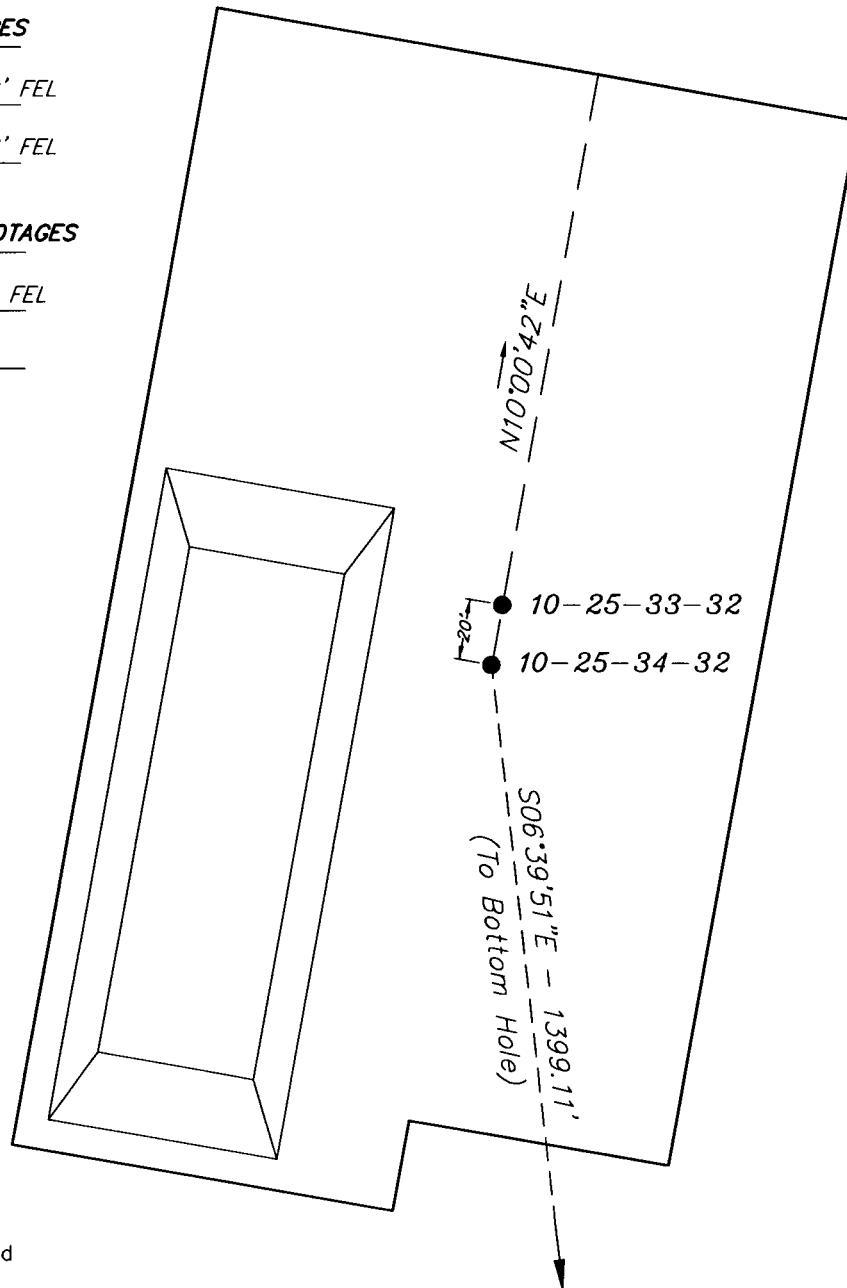


TOP HOLE FOOTAGES

10-25-34-32
2049' FSL & 2139' FEL
10-25-33-32
2068' FSL & 2136' FEL

BOTTOM HOLE FOOTAGES

10-25-34-32
659' FSL & 1978' FEL
10-25-33-32
VERTICAL



Note:

Bearings are derived
using true North.

RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
34-32	-1,390'	162'
33-32	N/A	N/A

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
34-32	39° 54' 13.71"	109° 07' 23.44"
33-32	39° 54' 13.91"	109° 07' 23.39"

SURVEYED BY: J.H. DATE DRAWN: 10-26-05

DRAWN BY: F.T.M. SCALE: 1" = 60'

NOTES:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

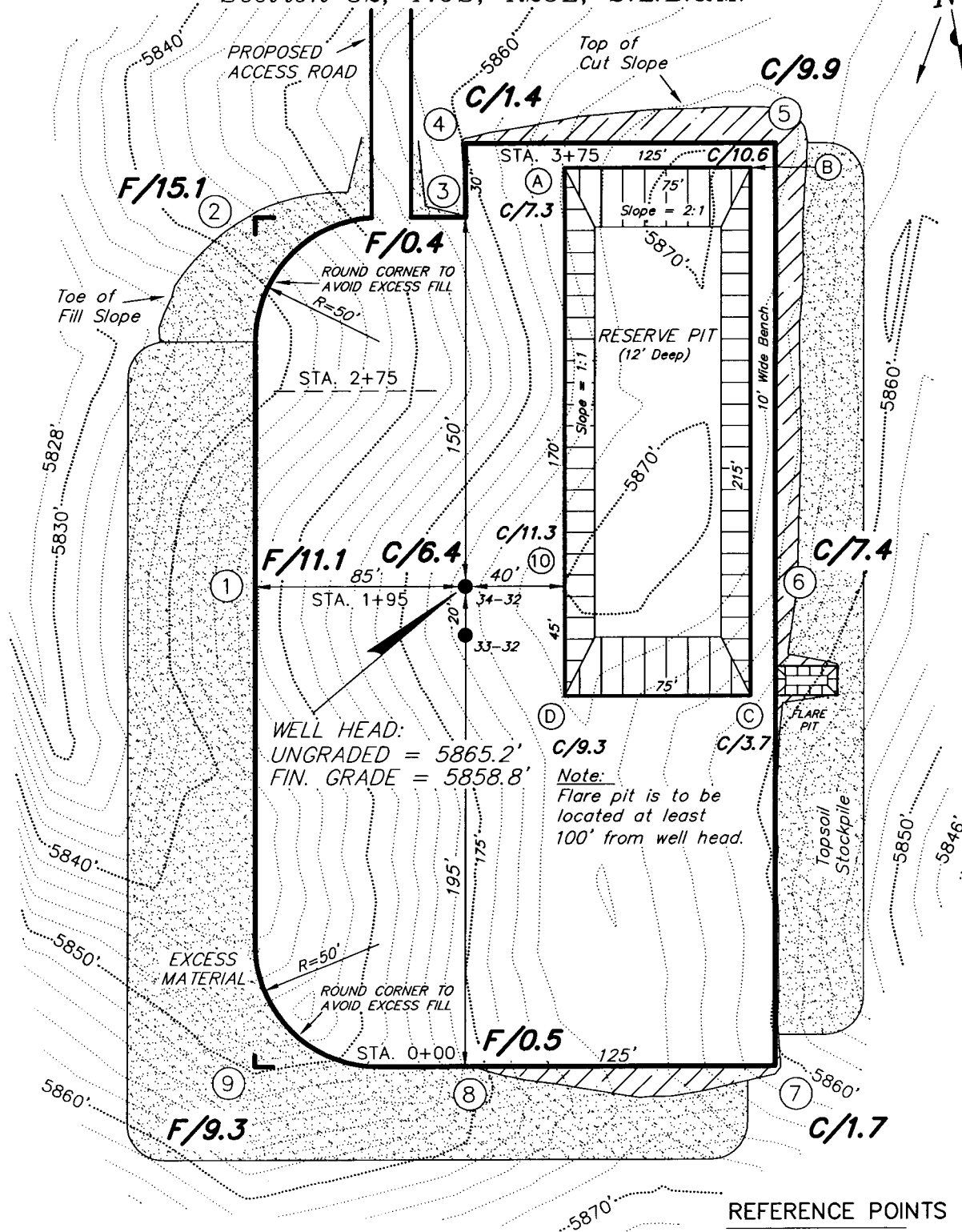
SHEET

3

OF 10

ENDURING RESOURCES

SOUTHAM CANYON 10-25-33-32
SOUTHAM CANYON 10-25-34-32
Section 32, T10S, R25E, S.L.B.&M.

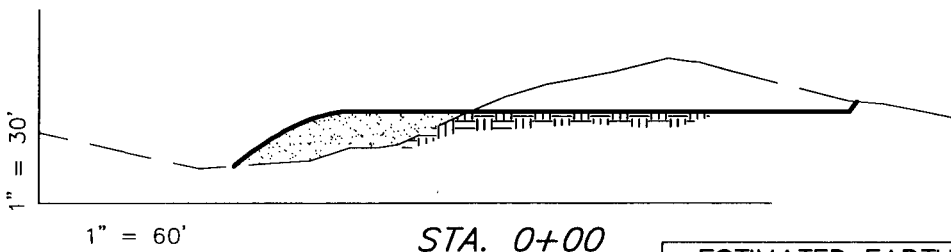
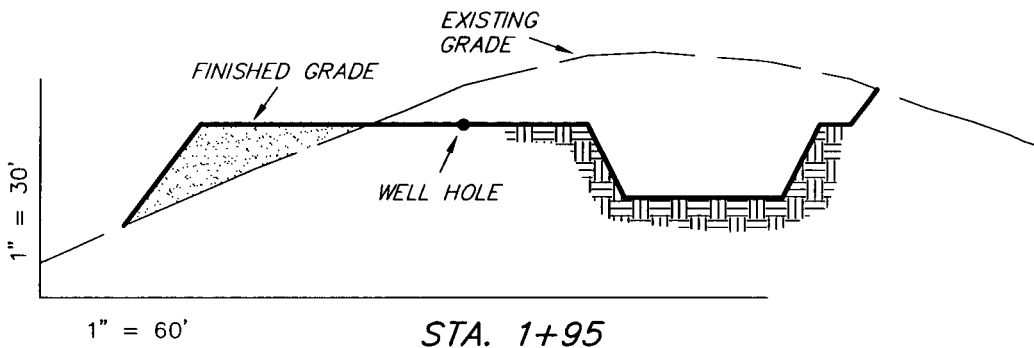
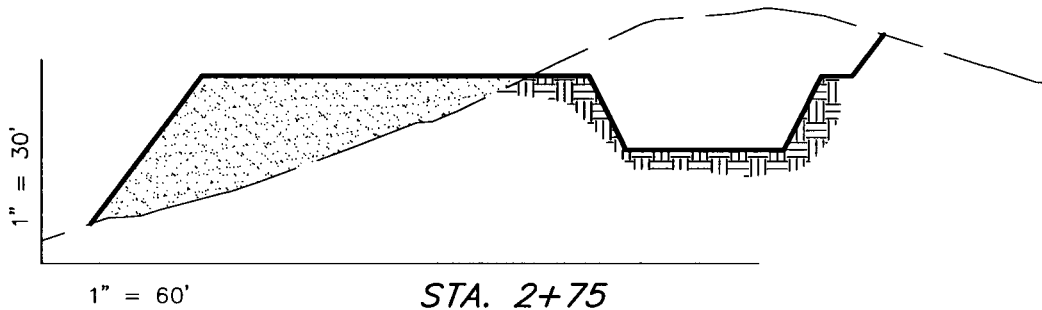
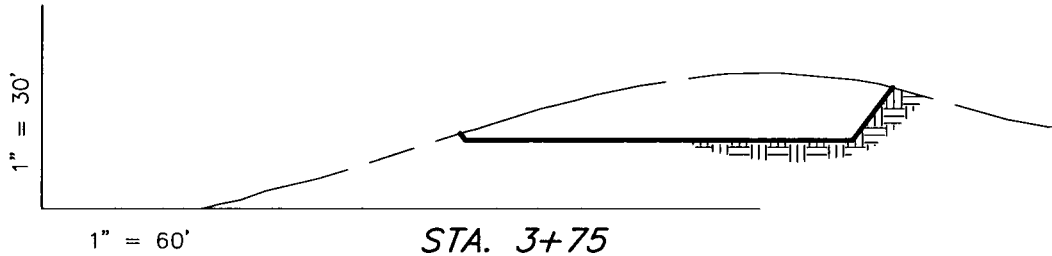


ENDURING RESOURCES

CROSS SECTIONS

SOUTHAM CANYON 10-25-33-32

SOUTHAM CANYON 10-25-34-32



NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	12,250	12,240	Topsoil is not included in Pad Cut	10
PIT	5,390	0		5,390
TOTALS	17,640	12,240	1,690	5,400

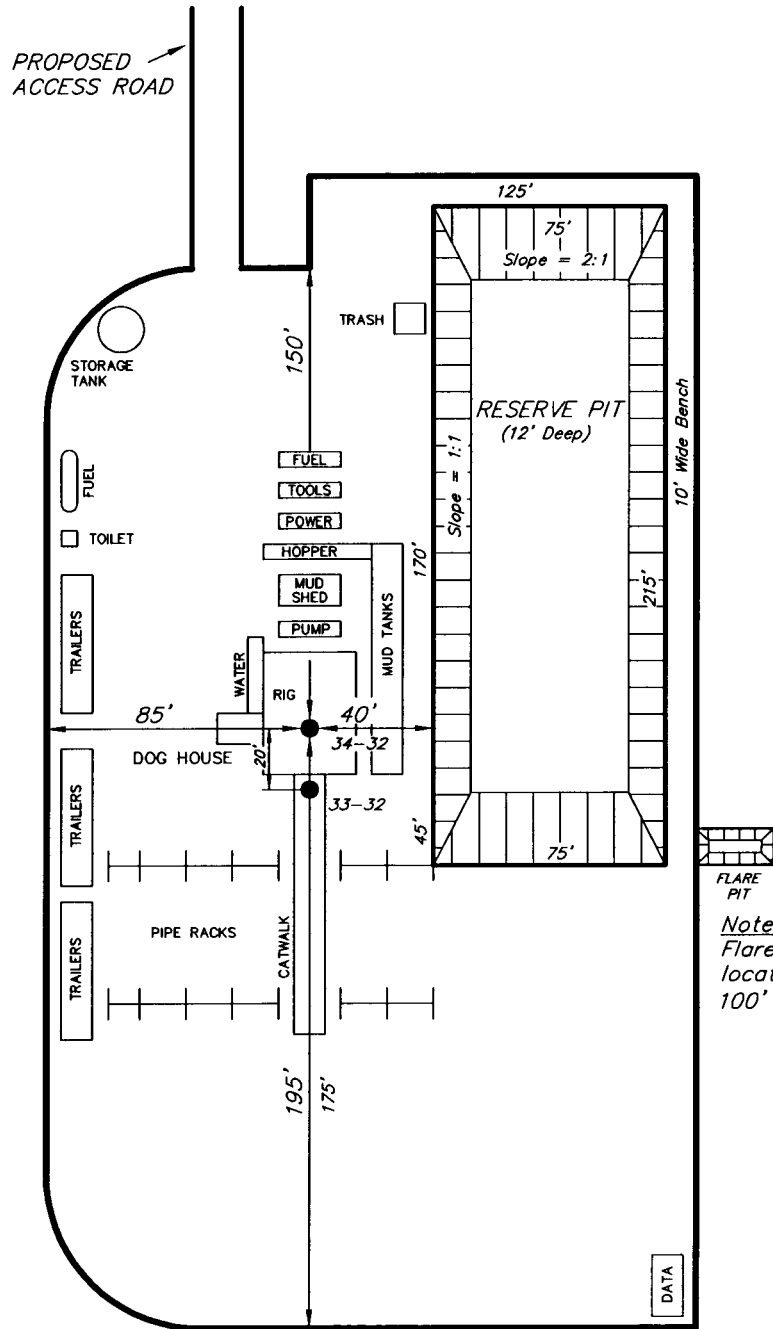
SURVEYED BY: J.H. DATE DRAWN: 10-26-05
DRAWN BY: F.T.M. SCALE: 1" = 60'
NOTES:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

SHEET
5
OF 10

ENDURING RESOURCES

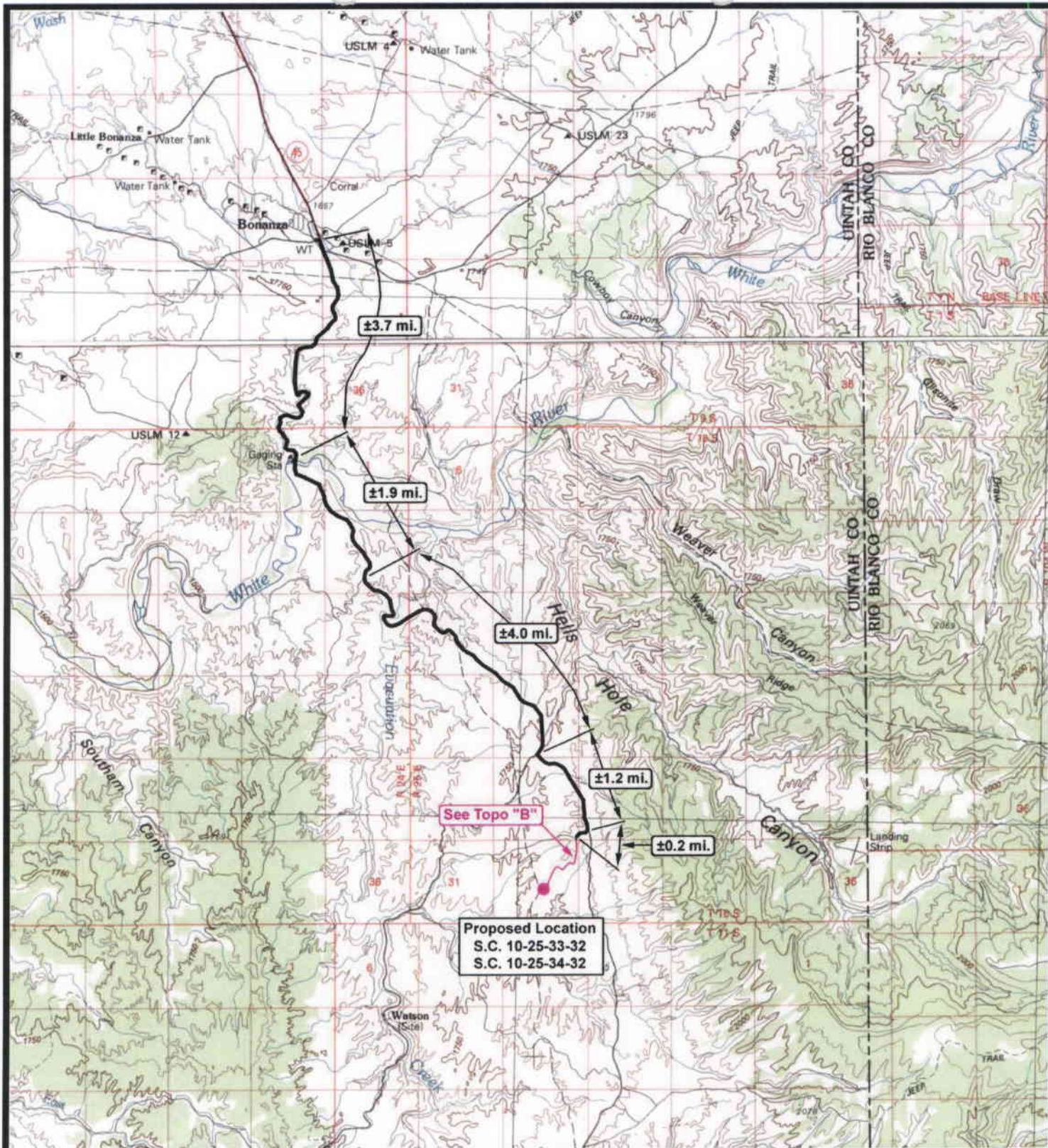
TYPICAL RIG LAYOUT SOUTHAM CANYON 10-25-33-32 SOUTHAM CANYON 10-25-34-32



SURVEYED BY: J.H. DATE DRAWN: 10-26-05
DRAWN BY: F.T.M. SCALE: 1" = 60'
NOTES:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

SHEET
6
OF 10

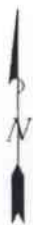


ENDURING RESOURCES

Southam Canyon 10-25-33-32

Southam Canyon 10-25-34-32

Pad Location: NWSE of Sec. 32, T10S, R25E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000

DRAWN BY: bgm

DATE: 07-17-2006

Legend

- Existing Road
- Proposed Access

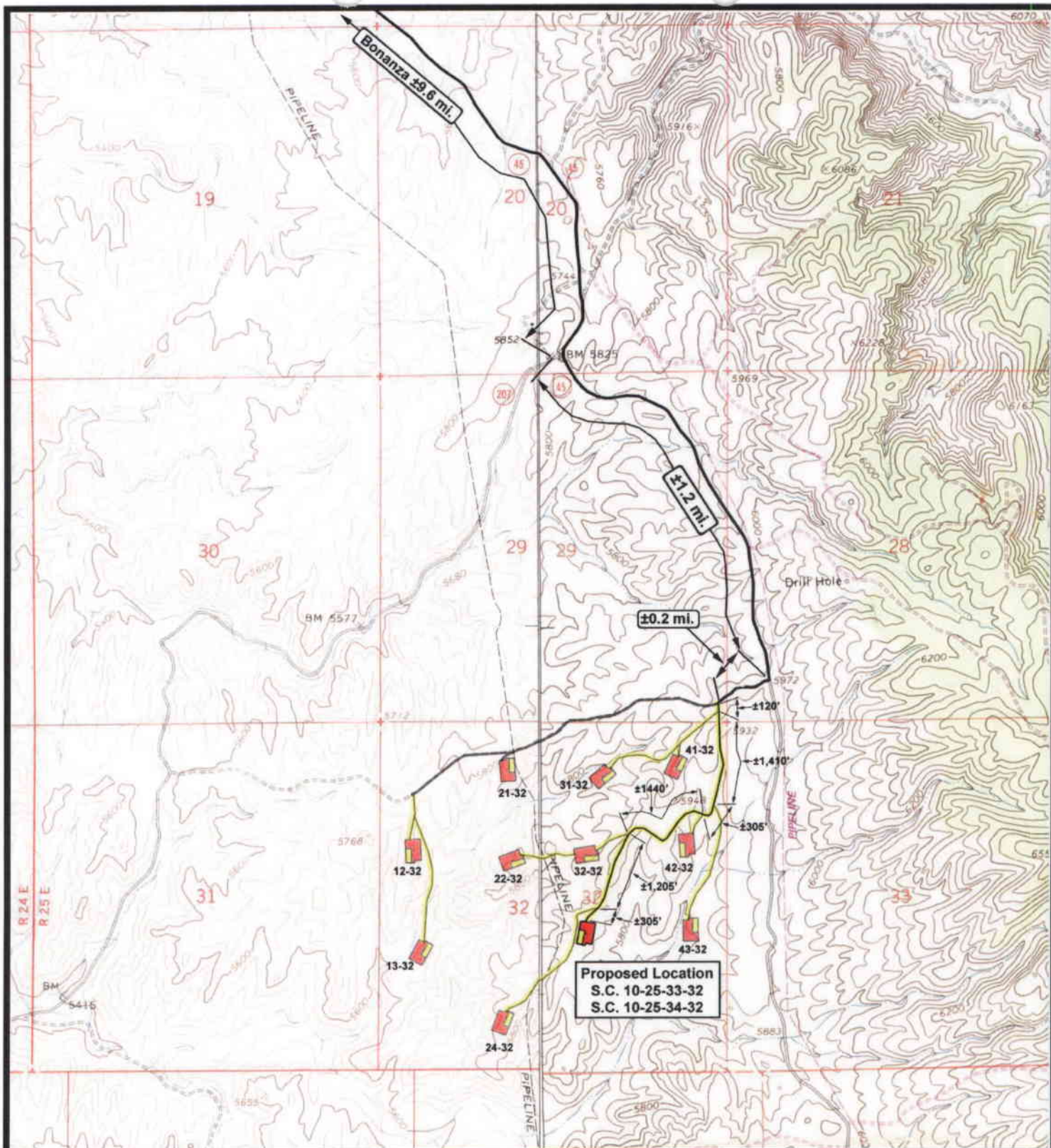
TOPOGRAPHIC MAP

"A"

SHEET

7

OF 10



ENDURING RESOURCES

Southam Canyon 10-25-33-32

Southam Canyon 10-25-34-32

Pad Location: NWSE of Sec. 32, T10S, R25E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: bgm

DATE: 07-17-2006

Legend

Existing Road
Proposed Access

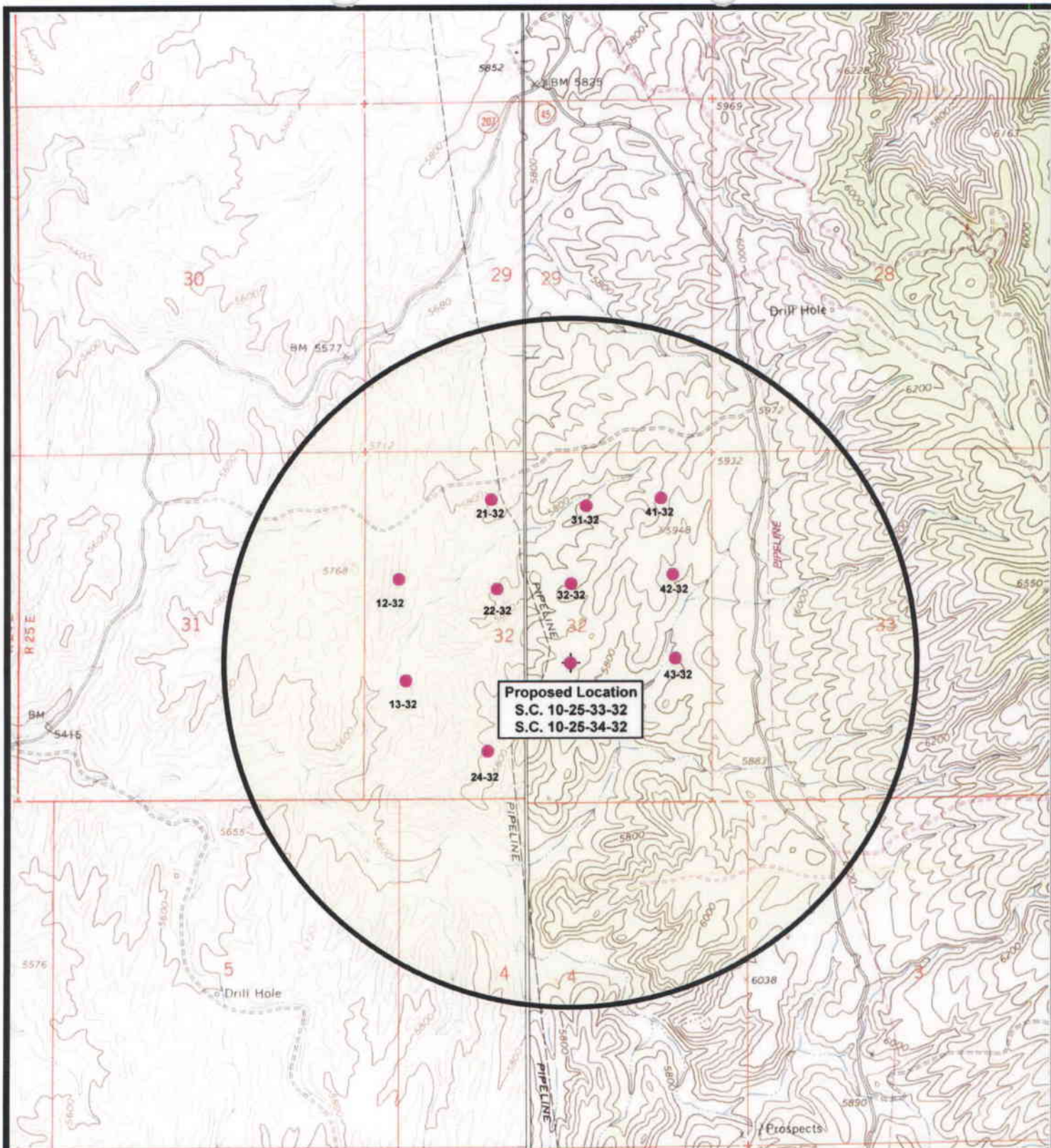
TOPOGRAPHIC MAP

"B"

SHEET

8

OF 10



ENDURING RESOURCES

Southam Canyon 10-25-33-32

Southam Canyon 10-25-34-32

Pad Location: NWSE of Sec. 32, T10S, R25E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: bgm

DATE: 07-17-2006

Legend

- Location
- One-Mile Radius

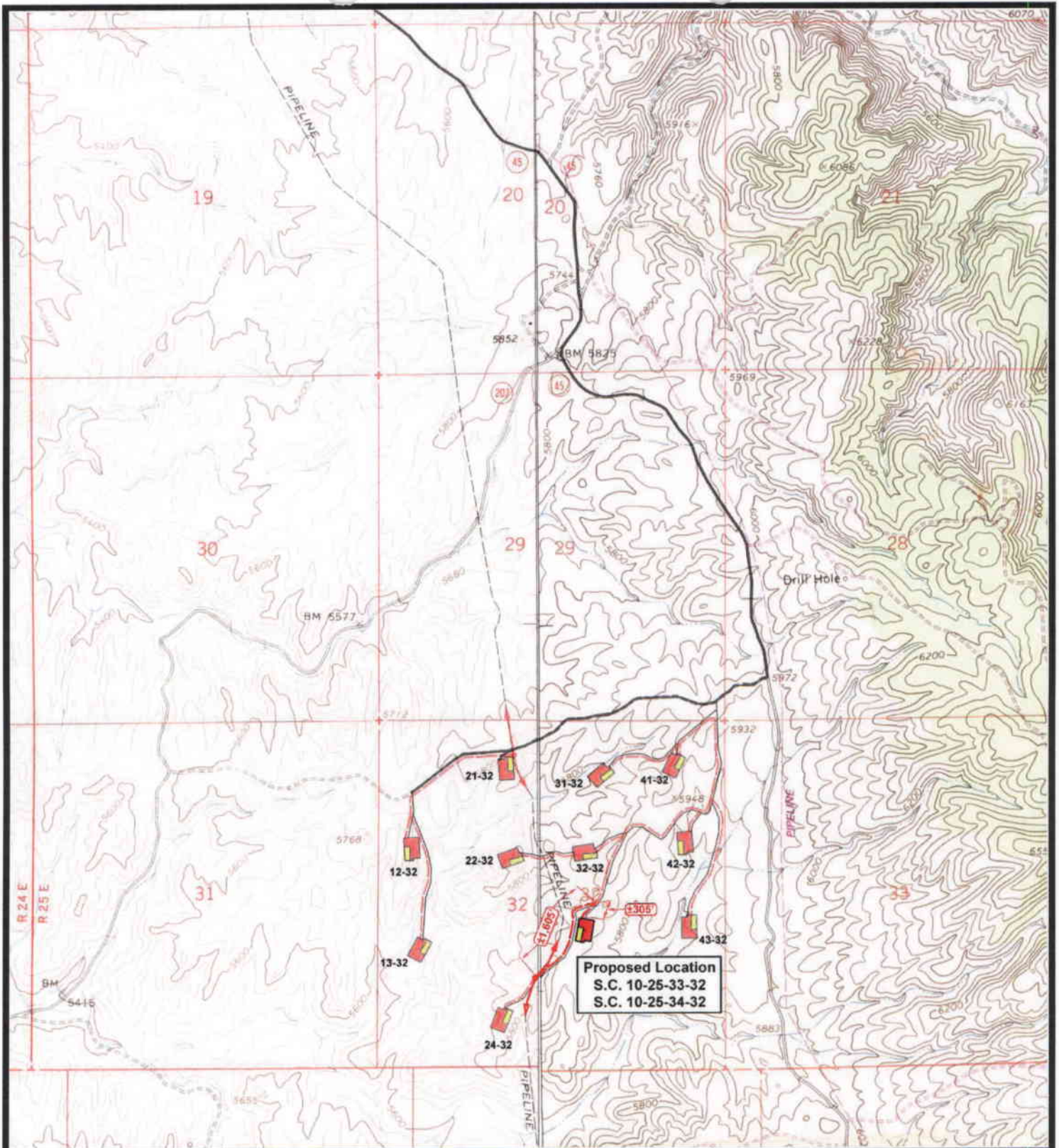
TOPOGRAPHIC MAP

"C"

SHEET

9

OF 10



ENDURING RESOURCES

Southam Canyon 10-25-33-32

Southam Canyon 10-25-34-32

Pad Location: NWSE of Sec. 32, T10S, R25E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: bgm

DATE: 07-17-2006

Legend

- Roads
- Existing Gas Line
- Proposed Gas Line

TOPOGRAPHIC MAP

"D"

SHEET

10
OF 10



CENTER STAKE

Date Photographed: 11/15/2005

Date Drawn: 07-17-2006

Drawn By: bgm

**LOOKING SOUTH
ACCESS**



ENDURING RESOURCES

S.C. 10-25-33-32 & S.C. 10-25-34-32

Pad Location:

NWSE of Sec. 32, T103, R23E, S.L.B.&M.

*Tri-State
Land Surveying Inc.*

(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078





NORTH


ENDURING RESOURCES
S.C. 10-25-33-32 & S.C. 10-25-34-32
 Pad Location:
 NWSE of Sec. 32, T10S, R26E, S1.B.&M.

Date Photographed: 11/15/2005

Date Drawn: 07/17/2006

Drawn By: bgm


Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

EAST





SOUTH


ENDURING RESOURCES
S.C. 10-25-33-32 & S.C. 10-25-34-32
 Pad Location:
 NWSE of Sec. 32, T16S, R26E, S1.B.&M.

Date Photographed: 11/15/2005

Date Drawn: 07/17/2006

Drawn By: bgm


Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

WEST



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47065
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
PHONE NUMBER: (303) 350-5719		8. WELL NAME and NUMBER: Southam Canyon 10-25-34-32
10. FIELD AND POOL, OR WILDCAT: Undesignated		9. API NUMBER: 4304738401

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2049' FSL - 2139' FEL COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 34 10S 25E S STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: Request for APD Extension	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill

FROM: 9/21/2007
TO: 9/21/2008

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 89-19-07
By: Brad Gill

COPY SENT TO OPERATOR
Date: 9-19-07
Initials: RM

NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist
SIGNATURE [Signature] DATE 9/18/2007

(This space for State use only)

RECEIVED
SEP 19 2007

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738401
Well Name: Southam Canyon 10-25-34-32
Location: 2049' FSL - 2139' FEL, NWSE, Sec 32, T10S-R25E
Company Permit Issued to: Enduring Resources, LLC
Date Original Permit Issued: 9/21/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

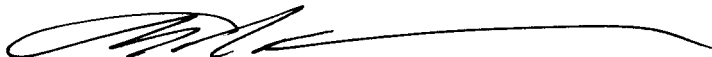
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

9/18/2007
Date

Title: Landman - Regulatory Specialist

Representing: Enduring Resources, LLC

RECEIVED
SEP 19 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47065
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
PHONE NUMBER: (303) 350-5114		8. WELL NAME and NUMBER: Southam Canyon 10-25-34-32
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2049' FSL - 2139' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE ³² 34 10S 25E S		9. API NUMBER: 4304738401
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Undesignated
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for APD Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill

FROM: 9/19/2008
TO: 9/19/2009

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 09-23-08
By: [Signature]

NAME (PLEASE PRINT) Alvin R. (Al) Arlian	TITLE Landman - Regulatory Specialist
SIGNATURE [Signature]	DATE 9/5/2008

(This space for State use only)

COPY SENT TO OPERATOR

Date: 9.23.2008

Initials: KS

(5/2000)

(See Instructions on Reverse Side)

RECEIVED

SEP 18 2008

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738401
Well Name: Southam Canyon 10-25-34-32
Location: 2049' FSL - 2139' FEL, NWSE, Sec 32, T10S-R25E
Company Permit Issued to: Enduring Resources, LLC
Date Original Permit Issued: 9/21/2006

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Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

9/5/2008
Date

Title: Administrative Assistant

Representing: Enduring Resources, LLC

RECEIVED

SEP 18 2008

DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

October 19, 2009

Enduring Resources, LLC
475 17TH Street Ste 1500
Denver, CO 80202

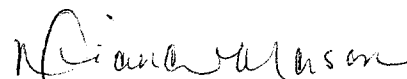
Re: APD Rescinded – Southam Canyon 10-25-34-32, Sec. 32, T.10S, R. 25E
Uintah County, Utah API No. 43-047-38401

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on September 21, 2006. On September 19, 2007 and September 23, 2008 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective October 19, 2009.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
SITLA, Ed Bonner